



ENTERED

OIPE

RAW SEQUENCE LISTING

4 <110> APPLICANT: Wadhwa, Renu

PATENT APPLICATION: US/10/045,815

DATE: 05/02/2002 P.6

TIME: 15:43:53

Input Set : A:\06501-091001.TXT

					,											
5		Sugiha	ıra,	Taka	shi											
6		Ohide,	Aki	.ko												
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36	-			-		_								Met	t Ala	
37															1.	
39	qta c	gc gcg	ttg	aag	ctg	ctg	acc	aca	ctg	ctg	gct	gtc	gtg	gcc	gct	105
40	Val A	rg Ala	Leu	Lys	Leu	Leu	Thr	Thr	Leu	Leu	Ala	Val	Val	Ala	Ala	
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44	Ala S	er Gln	Ala	Glu	Val	Glu	Ser	Glu	Ala	Gly	Trp	Gly	Met	Val	Thr	
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		sp Leu														
49	35				40					45					50	
51	tgg c	cc ggg	gtg	gtc	ctg	agc	atg	gaa	cgg	gcg	ctg	cgc	tcc	cgg	gca	249
52	Trp P	ro Gly	Val	Val	Leu	Ser	Met	Glu	Arg	Ala	Leu	Arg	Ser	Arg	Ala	
53	_	_		55					60					65		
55	gcc c	tc cgc	gcc	ctt	cgc	ctg	cgc	tgc	cgc	acc	cag	tgt	gcc	gcc	gac	297
56	Ala L	eu Arg	Āla	Leu	Arg	Leu	Arg	Cys	Arg	Thr	Gln	Cys	Ala	Ala	Asp	
57		-	70					75					80			
59	ttc c	cg tgg	gag	ctg	gac	ccc	gac	tgg	tcc	ccc	agc	ccg	gcc	cag	gcc	345
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61		85			-		90					95				
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6/	cgt	200	312	31a	Cvc	LOU	Ara	Ara	Cys	T.AII	999 Glv	Dro	Pro	Δla	Δla	His	
	_	АГУ	АТа	Ala	Cys	120	лгу	пту	Cys	пси	125	110		1114		130	
	115	ata	200	ma a	a a a		man	cta	gag	ttc		aaσ	caa	agc	aaa		489
/ <u>1</u>	ccg	TOU	ayc	Clu	Clu	acy Mot	Glu	Len	Glu	Dha	Ara	Lvc	Δra	Ser	Pro	Tvr	.03
	ser	Leu	Ser	GIU	135	Met	Giu	пеи	GIU	140	Arg	ny 5	2119	DCI	145	-1-	
73 75	220	+ 2.0	at a	a a a		acc	tac	ttc	aag		aac	ааσ	ttα	σασ		act.	537
75	aac	TTTT	Tou	Cln	Val	λla	Tur	Dho	Lys	Tle	Agn	Lvs	Leu	Glu	Lvs	Ala	
70 77	ASII	тут	ьец	150	Val	AIG.	1 Y 1	rne	155	110	11511	-10	Lou	160	_10		
	~++	aat	~~~		020	200	ttc	ttc	gtg	ממכ	aat	cct	σασ		at.σ	σaa	585
90	y	31a	γCa	ηca	Uic	Thr	Dho	Dhe	Val	Glv	Asn	Pro	Glu	His	Met.	Glu	
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99	λla	Acn	Dho	Lve	Agn	Len	Glu	Thr	Gln	Pro	His	Met	Gln	Glu	Phe	Arq	
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0.1	793	ααa	ata	спа	ctc		tca	σασ	gaa	caσ		cag	gaa	act	ata	ccc	729
9.7	Lau	Glv	Val	Δra	T.eu	Tyr	Ser	Glu	Glu	Gln	Pro	Gln	Glu	Ala	Val	Pro	
93	пец	GIY	VUL	my	215	-1-	501	0_4	014	220					225		
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96	Hic	Len	Glu	Δla	Ala	Leu	Gln	Glu	Tyr	Phe	Val	Ala	Tyr	Glu	Ğlu	Cys	
97	1113	пси	Olu	230			0		235				-	240		•	
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100) Arc	y Δl:	a Lei	n Cvs	s Gli	ı Gly	v Pro	o Tv:	r Ası	o Tvi	r Ası	p Ğ1	y Ty:	r As	n Ty	r Leu	
10:		, ,,_,	24					25		4	•		25		-		
		r ta			. gad	cto	e tt	c ca	a ac	c ato	c aca	a qa	t ca	t ta	c at	c cag	873
104	4 Gli	1 TV	r As	n Ala	a Asr	Lei	ı Ph	e Gl	n Ála	a Ile	e Thi	r Ās	p Hi	s Ty	r Il	e Gln	
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108	3 Vai	l Le	u As	n Cy:	s Lys	Gli	n As:	n Cy	s vai	l Th	r Glu	u Le	u Al	a Se	r Hi	s Pro	
	9 27			•	-	28		_			28					290	
11:	l agi	t cq	a qa	g aa	g ccc	tt	t ga	a ga	c tt	c ct	e de	a tc	g ca	t ta	t aa	t tat	969
11:	2 Se	r Ar	g Ğl	u Ly:	s Pro	Phe	e Gl	u As	p Pho	e Le	u Pro	o Se	r Hi	s Ту	r As	n Tyr	
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12	0 Cy	s Ál	a Ly	s Th	r Ty	r Le	u Le	u Ph	e Ph	e Pr	o As	n As	p Gl	u Va	l Me	t Asn	
12	1		32	5				33	0				33	5			
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12	4 Gl:	n As	n Le	u Al	а Ту	с Ту	r Al	a Al	a Me	t Le	u Gl	y Gl	u Gl	u Hi	s Th	r Arg	
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	Gln Ala Se		Ala G	ly Ala	Leu		Asp	Leu	Ser	Phe			GTA			
179		100	_	_	_	105	_	_	_	a 3	110		. 1 .			
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199				260					265					270			
200	Ile G	Sln	Val	Leu	Asn	Cys	Lys	${\tt Gln}$	Asn	Cys	Val	Thr	Glu	Leu	Ala	Ser	
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205	305					310					315					320	
206	Gly G	lu	Cys	Ala	Lys	Thr	Tyr	Leu	Leu	Phe	Phe	Pro	Asn	Asp	Glu	Val	
207					325					330					335		
208	Met A	Asn	Gln	Asn	Leu	Ala	Tyr	Tyr	Ala	Ala	Met	Leu	Gly	Glu	Glu	His	
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225															_	L	105
	gta c																105
	Val A	arg		Leu	Lys	Leu	Leu		Thr	Leu	Leu	Ala		Val	A⊥a	Ala	
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	gcc t																153
	Ala S		GIn	Ala	Glu	val		ser	GLU	А⊥а	GLY		GTA	met	vaı	rnr	
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261 ac tac ctg cag gtc gcc tac ttc aag atc aac aag ttg gag aaa gct 263 aac tac ctg cag gtc gcc tac ttc aag atc aac aag ttg gag aaa gct	
263 aac tac ctg cag gte gee tae tee day all Asn Lys Leu Glu Lys Ala 264 Asn Tyr Leu Gln Val Ala Tyr Phe Lys Ile Asn Lys Leu Glu Lys Ala 160	
	585
265 150 267 gtt gct gca gca cac atc ttc ttc gtg ggc aat cct gag cac atg gaa 267 gtt gct gca gca cac acc ttc ttc gtg ggc aat cct gag cac atg gaa	
267 gtt gct gca gca cac ace tte the geg gg gg and Pro Glu His Met Glu 268 Val Ala Ala Ala His Thr Phe Phe Val Gly Asn Pro Glu His Met Glu 175	
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269 165 271 atg cag cag aac cta gac tat tac caa acc atg tct gga gtg aag gag 271 atg cag cag aac cta gac tat tac caa acc atg tct gga gtg aag gag	
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DATE: 05/02/2002 TIME: 15:43:54

Input Set : A:\06501-091001.TXT

Output Set: N:\CRF3\05022002\J045815.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:5; N Pos. 2376 Seq#:7; N Pos. 2282 VERIFICATION SUMMARY

DATE: 05/02/2002

PATENT APPLICATION: US/10/045,815

TIME: 15:43:54

Input Set : A:\06501-091001.TXT

Output Set: N:\CRF3\05022002\J045815.raw

L:530 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:5 L:721 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:2372 L:837 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:7 L:987 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:2227